
**Ships and marine technology — Ship's
mooring and towing fittings — Recessed
bitts (Steel plate type)**

*Navires et technologie maritime — Corps-morts et ferrures de remorquage
de navires — Bittes d'amarrage encastrées (type plaques d'acier)*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

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Introduction

The recessed bitt is a type of ship's towing fitting installed on the side shell of the ship.

The recessed bitts are normally provided to easily attach the towing lines where the height of the mooring deck is too high.

Ships and marine technology — Ship's mooring and towing fittings — Recessed bitts (Steel plate type)

1 Scope

This International Standard specifies the design, size and technical requirements for steel plate type recessed bitts to meet normal towing requirements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IMO Circular MSC/Circ.1175, *Guidance on shipboard towing and mooring equipment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

safe working load

SWL

maximum load in kN on the rope that should normally be applied in service conditions.

4 Classification

4.1 Type

Depending on the manufacturing method, recessed bitts shall be classified as the following two types:

- Type A – manufactured by steel pipes;
- Type B – manufactured by steel plates.

4.2 Nominal sizes

The nominal sizes, D_n , of recessed bitts are denoted by reference to the outside diameter of the main post in millimetres, in terms of the nearest number drawn from a basic series of preferred numbers. For the recessed bitts having the same post diameter, the alphabetical character is followed by the nominal size for the different SWL.

The nominal sizes are: 200, 250, 400A and 400B.

5 Dimensions

Recessed bitts have dimensions and particulars in accordance with Table 1 and Figure 1.

6 Materials

The materials of the following components shall be used for manufacturing the recessed bitts:

- Plates: weldable steel plates having a yield point of not less than 235 N/mm².